

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-18. (Canceled)

19. (Currently Amended) An electronic device connected to a network, comprising:
an interfacing unit configured to transmit data to the network and/or receive data from the network;

a memory configured to store data; and

a controller configured to:

receive, via the interfacing unit, downloading requests from the network, wherein first data to be transmitted from the network to the electronic device is divided into the downloading requests, wherein each downloading request includes total number of the downloading request and current number of the each downloading request, wherein the downloading request includes an information field indicating a number of re-transmission of the downloading request,

check whether or not the downloading request is a duplicated message based on the information field,

perform a processing operation of the first data using the total number and the current number, wherein the processing operation comprises extracting a command code from the first data message, extracting as many arguments as necessary according to a version of a transmitting protocol applied to the electric device, and discarding remaining arguments when the remaining arguments exist,

store the processed first data in the memory,

receive, via the interfacing unit, an uploading request from the network, wherein the uploading request includes data size information and order information, the data size information specifying a size of data unit into which second data to be transmitted from the electronic device to the network according to the uploading request is divided, and the order information specifying an order of a plurality of data units to be transmitted according to the uploading request, and

transmit, via the interfacing unit, a specific data unit corresponding to the uploading request to the network.

20. (Currently Amended) A method of receiving data from a network and transmitting data to the network, the method being performed by an electronic device including an interfacing unit, a memory, and a controller, the method comprising:

receiving, via the interfacing unit, downloading requests from the network, wherein first data to be transmitted from the network to the electronic device is divided into the downloading requests, wherein each downloading request includes total number of the downloading requests and current number of the each downloading request, wherein the downloading request includes an information field indicating a number of re-transmission of the downloading request,

checking whether or not the downloading request is a duplicated message based on the information field;

processing, via the controller, the first data using the total number and the current number, wherein the processing step comprises extracting a command code from the first data message, extracting as many arguments as necessary according to a version of a transmitting protocol applied to the electric device, and discarding remaining arguments when the remaining arguments exist;

storing, via the controller, the processed first data in the memory;

receiving, via the interfacing unit, an uploading request from the network, wherein the uploading request includes data size information and order information, the data size information specifying a size of data unit into which second data to be transmitted from the electronic device to the network according to the uploading request is divided, and the order information specifying an order of a plurality of data units to be transmitted according to the uploading request; and

transmitting, via the interfacing unit, a specific data unit corresponding to the uploading request to the network.